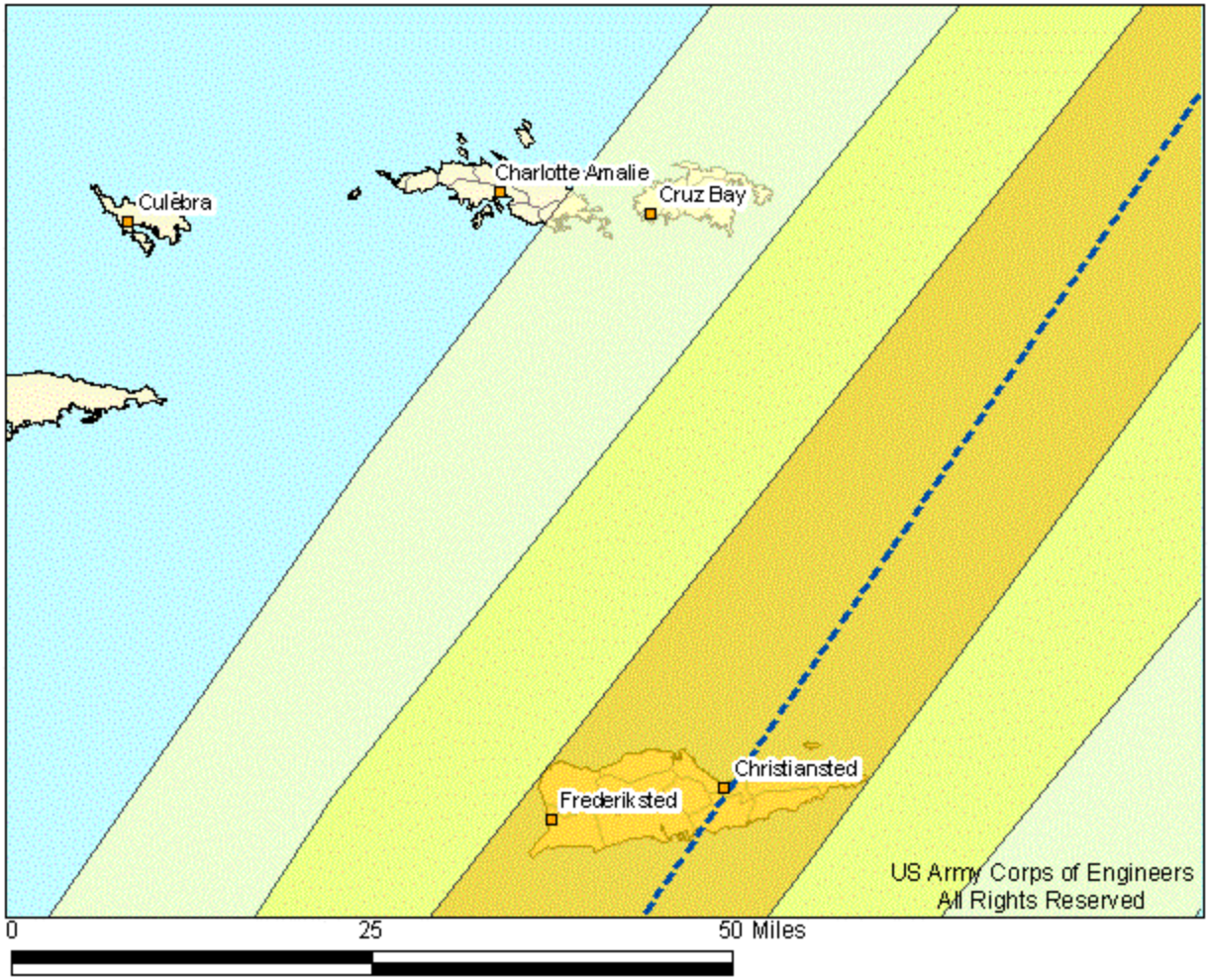
US Army Corps of Engineers

Hurricane Omar Projected Damage Areas

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

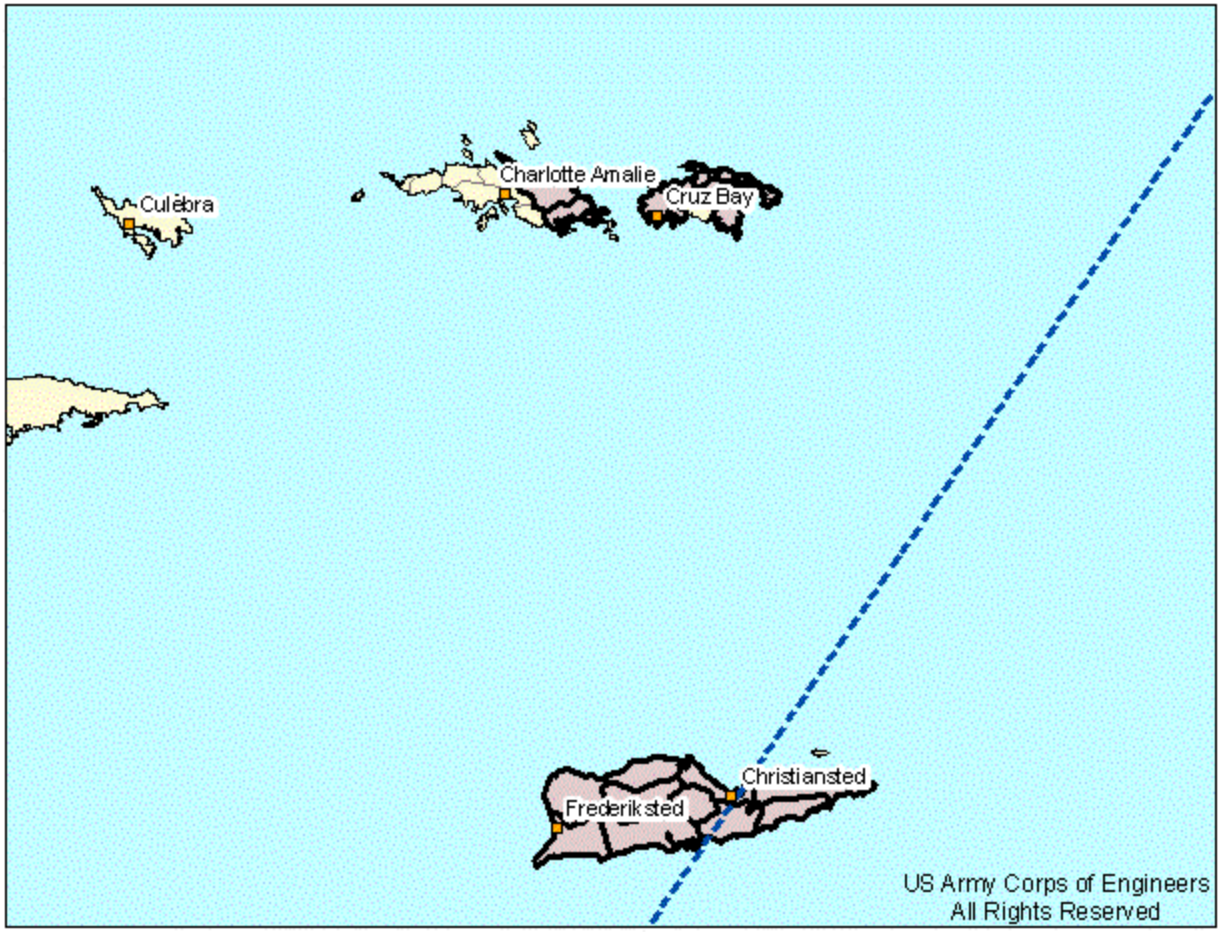
Hurricane Omar Projected Damage Areas	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 24

US Army Corps of Engineers

Hurricane Omar Debris Model

Landfall Expected In About **9** Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

St Croix - 379,000 Yards
St John - 3,000 Yards
St Thomas - 5,000 Yards

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Debris Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Debris Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	Yards per Island	Geographic Unit	Yards per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	22,000
		CENTRAL	40,000
		CHRISTIANSTED	79,000
		EAST END - NORTH	19,000
		EAST END - SOUTH	8,000
		NORTHCENTRAL	14,000
		NORTHWEST	26,000
		SION FARM	60,000
		SOUTHCENTRAL	38,000
		SOUTHWEST	73,000
ST CROIX	379,000		
ST JOHN		CENTRAL - NORTHEAST	< 1,000
		CENTRAL - NORTHWEST	< 1,000
		CENTRAL - SOUTHEAST	< 1,000
		CORAL BAY	< 1,000
		CRUZ BAY	3,000
		EAST END	< 1,000
ST JOHN	3,000		
ST THOMAS		ANNA'S RETREAT	< 1,000
		EAST END	5,000
		EAST END ISLAND - 1	< 1,000
ST THOMAS	5,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Debris Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

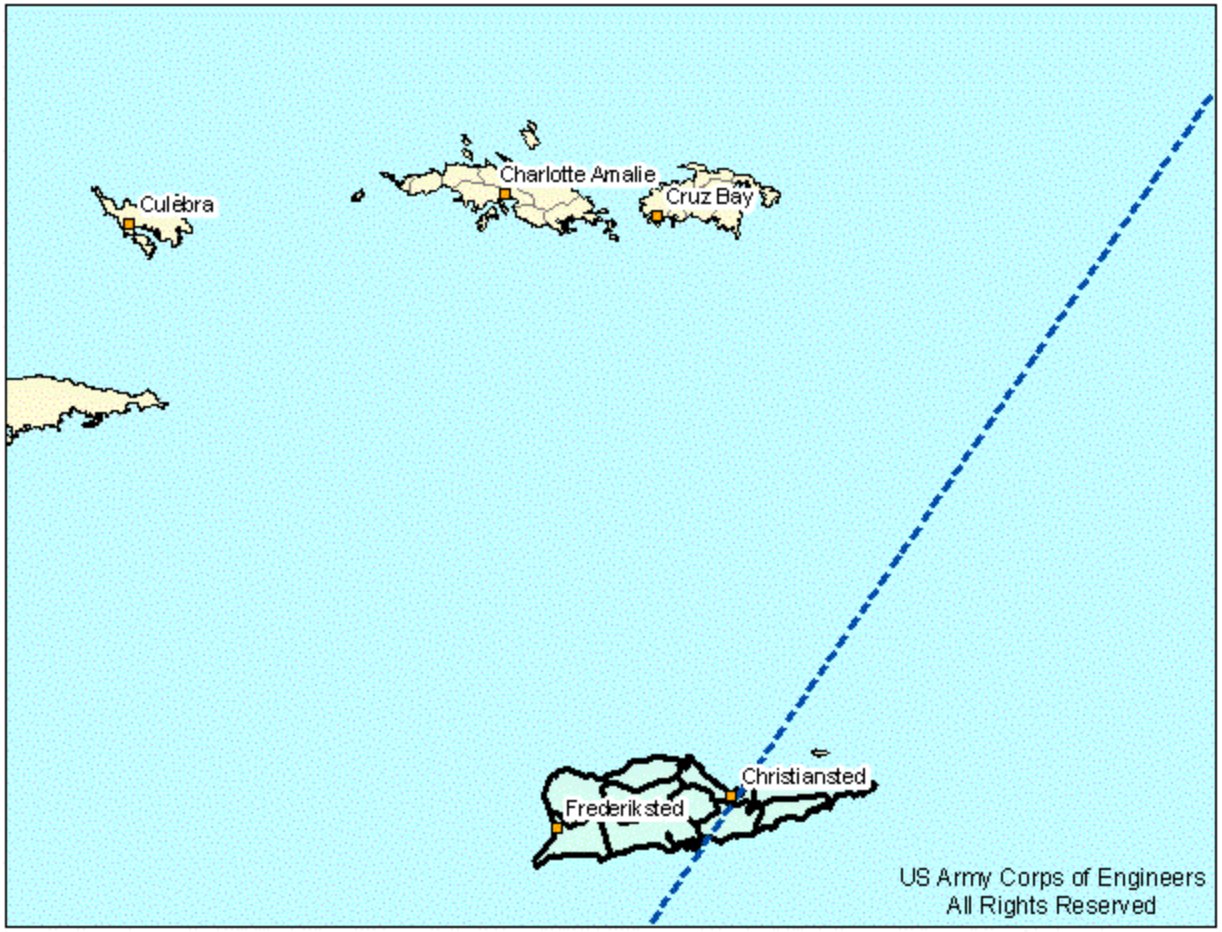
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Commodities Model

Landfall Expected In About **9** Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Daily Need
St Croix - 13 Truckloads

Assumes 90% power outage and all PODs functional

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC ***(1700 EDT 10/15/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Commodities Model	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 4 of 24

US Army Corps of Engineers

Hurricane Omar Commodities Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	Truckloads per Island	Geographic Unit	Truckloads per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	1
		CENTRAL	1
		CHRISTIANSTED	2
		EAST END - NORTH	1
		EAST END - SOUTH	1
		NORTHCENTRAL	1
		NORTHWEST	1
		SION FARM	2
		SOUTHCENTRAL	1
		SOUTHWEST	2
ST CROIX	13		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Omar Commodities Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

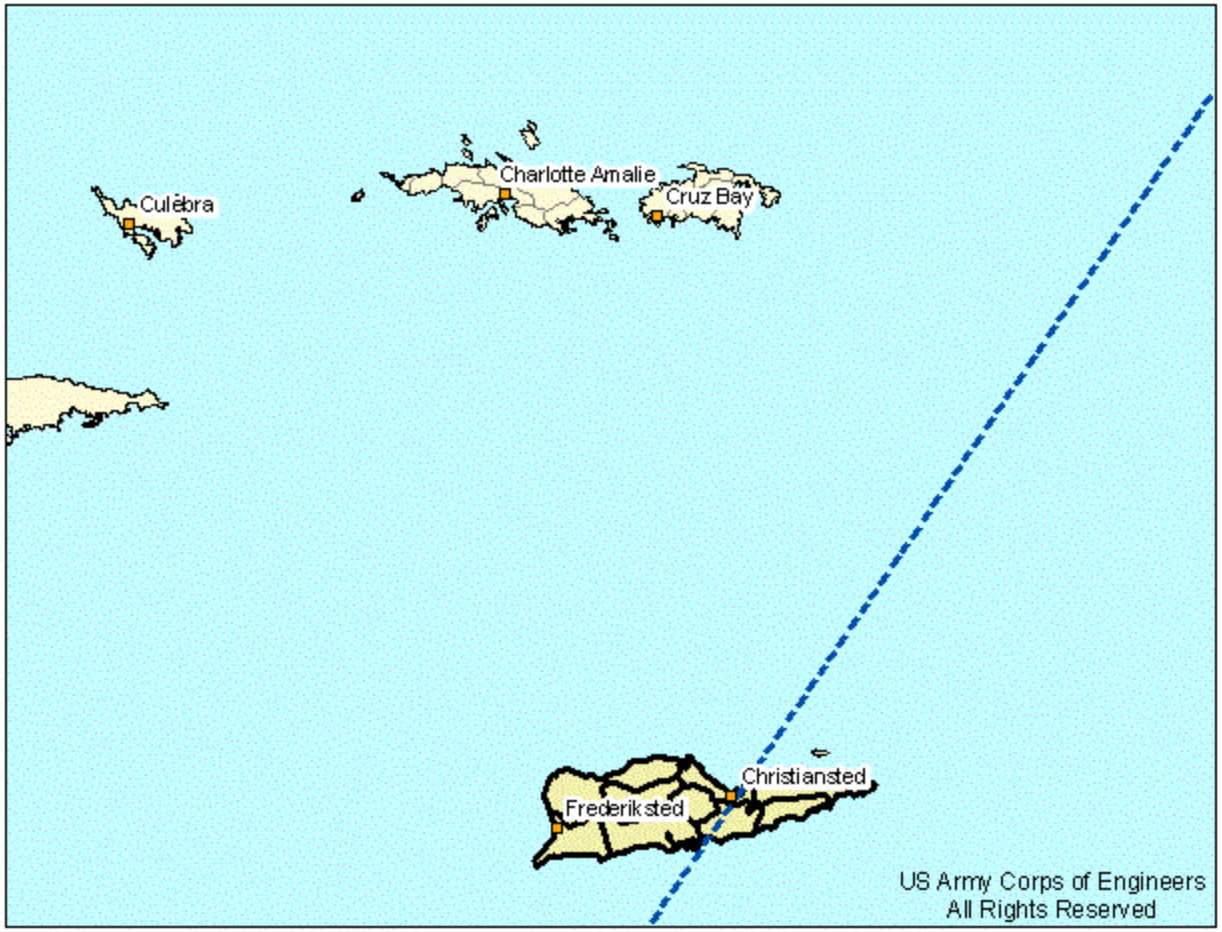
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Roofing Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

St Croix - 1,600 units

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast. Temporary roofing is based on 3% in CAT 1 and 8% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Roofing Model	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 6 of 24

US Army Corps of Engineers

Hurricane Omar Temporary Roofing Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	House Units per Island	Geographic Unit	House Units per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	< 100
		CENTRAL	200
		CHRISTIANSTED	400
		EAST END - NORTH	< 100
		EAST END - SOUTH	< 100
		NORTHCENTRAL	< 100
		NORTHWEST	200
		SION FARM	300
		SOUTHCENTRAL	200
		SOUTHWEST	300
ST CROIX	1,600		

Temporary roofing is based on 3% in CAT 1 and 8% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Roofing Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

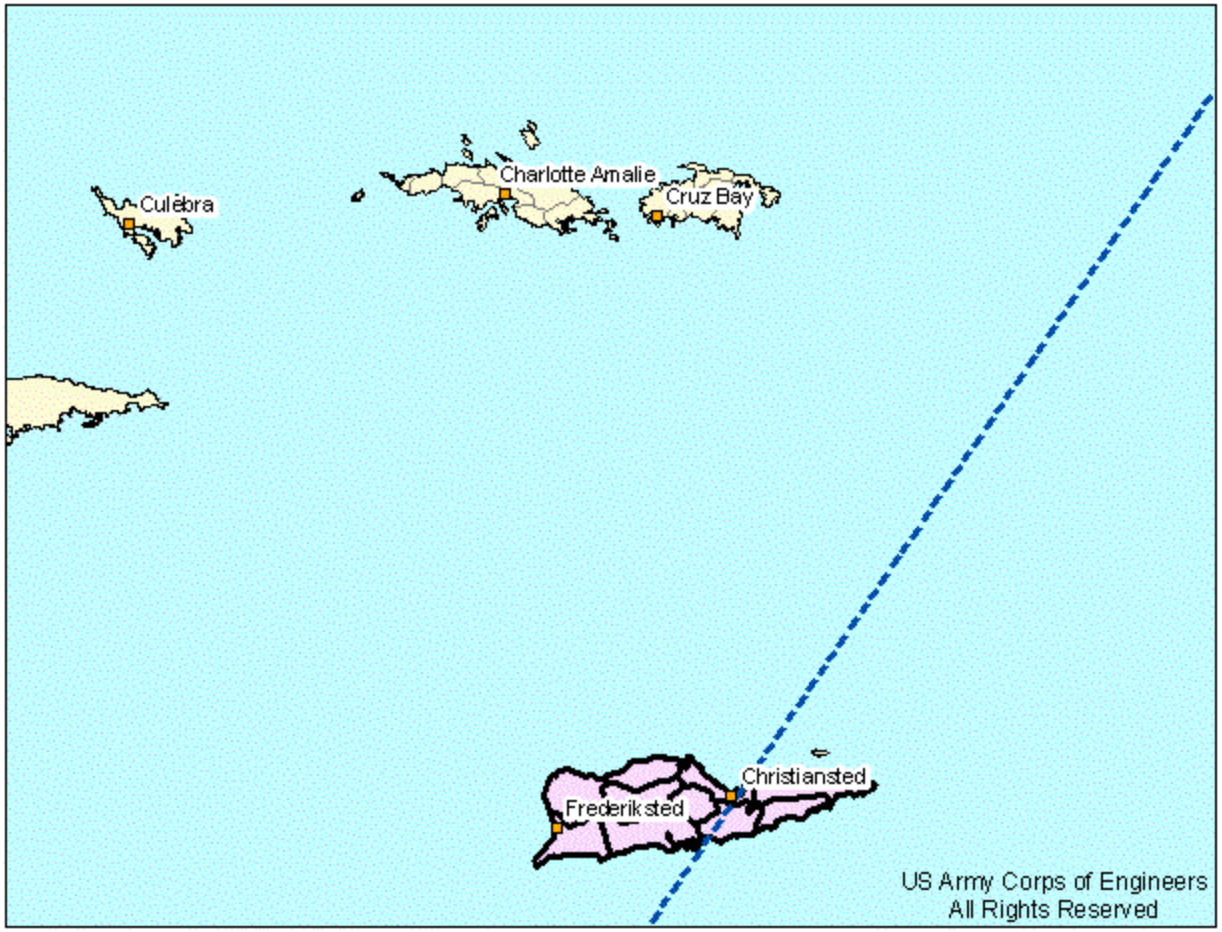
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Temporary Housing Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Post Landfall Temporary Housing Model Results

St Croix – Less than 600 units

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast. Temporary housing is based on 1% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Housing Model	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 24

US Army Corps of Engineers

Hurricane Omar Temporary Housing Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	House Units per Island	Geographic Unit	House Units per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	< 100
		CENTRAL	< 100
		CHRISTIANSTED	< 100
		EAST END - NORTH	< 100
		EAST END - SOUTH	< 100
		NORTHCENTRAL	< 100
		NORTHWEST	< 100
		SION FARM	< 100
		SOUTHCENTRAL	< 100
		SOUTHWEST	< 100
ST CROIX			

Temporary housing is based on 1% in CAT 2.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Housing Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

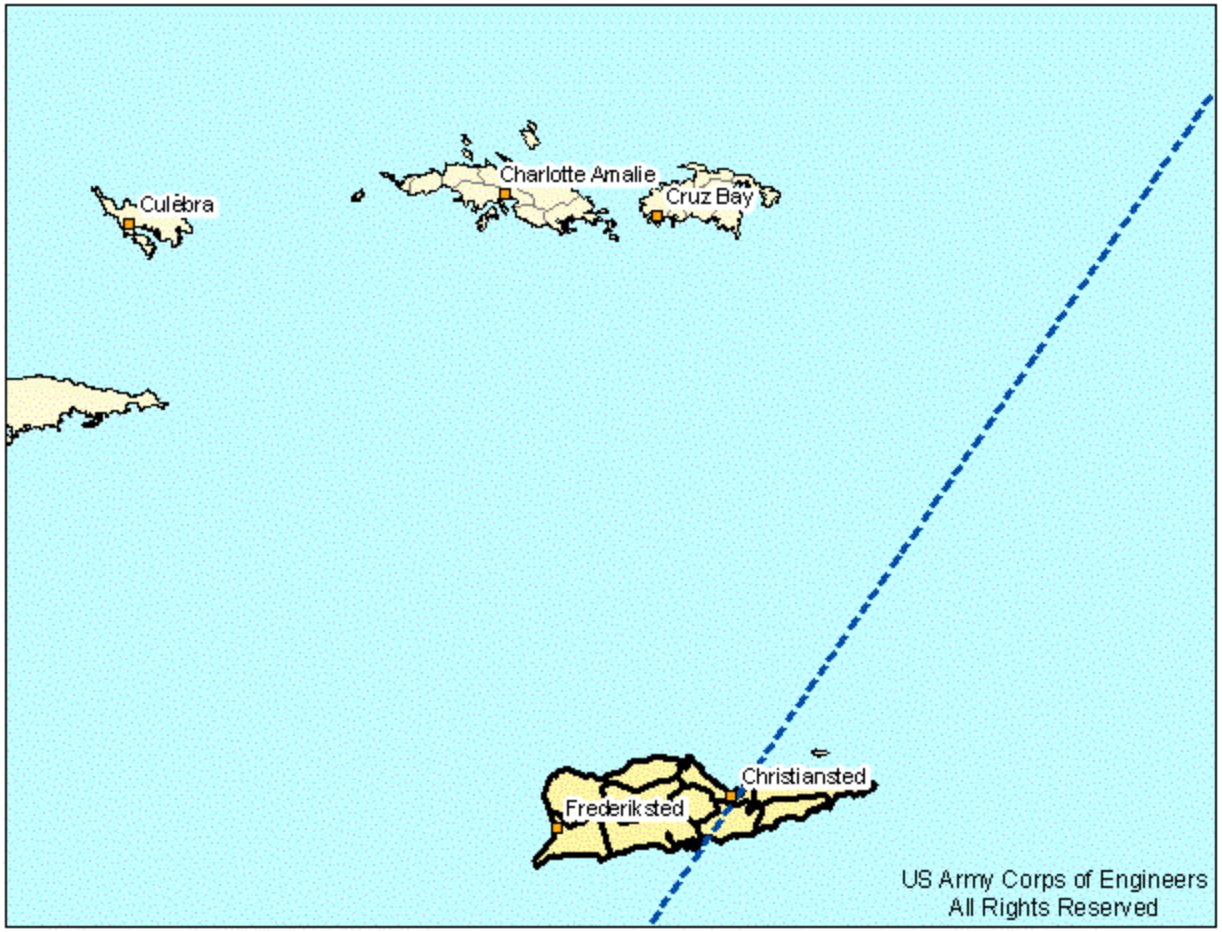
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Population Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Post Landfall Results – Resident Population Within Hurricane Force Winds

St Croix - 62,000

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Population Model	
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Sources: HURREVAC LRL-DEBRIS	Page 10 of 24

US Army Corps of Engineers

Hurricane Omar Population Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	Population per Island	Geographic Unit	Population per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	4,000
		CENTRAL	6,000
		CHRISTIANSTED	12,000
		EAST END - NORTH	3,000
		EAST END - SOUTH	2,000
		NORTHCENTRAL	3,000
		NORTHWEST	4,000
		SION FARM	10,000
		SOUTHCENTRAL	7,000
		SOUTHWEST	11,000
ST CROIX	62,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Population Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

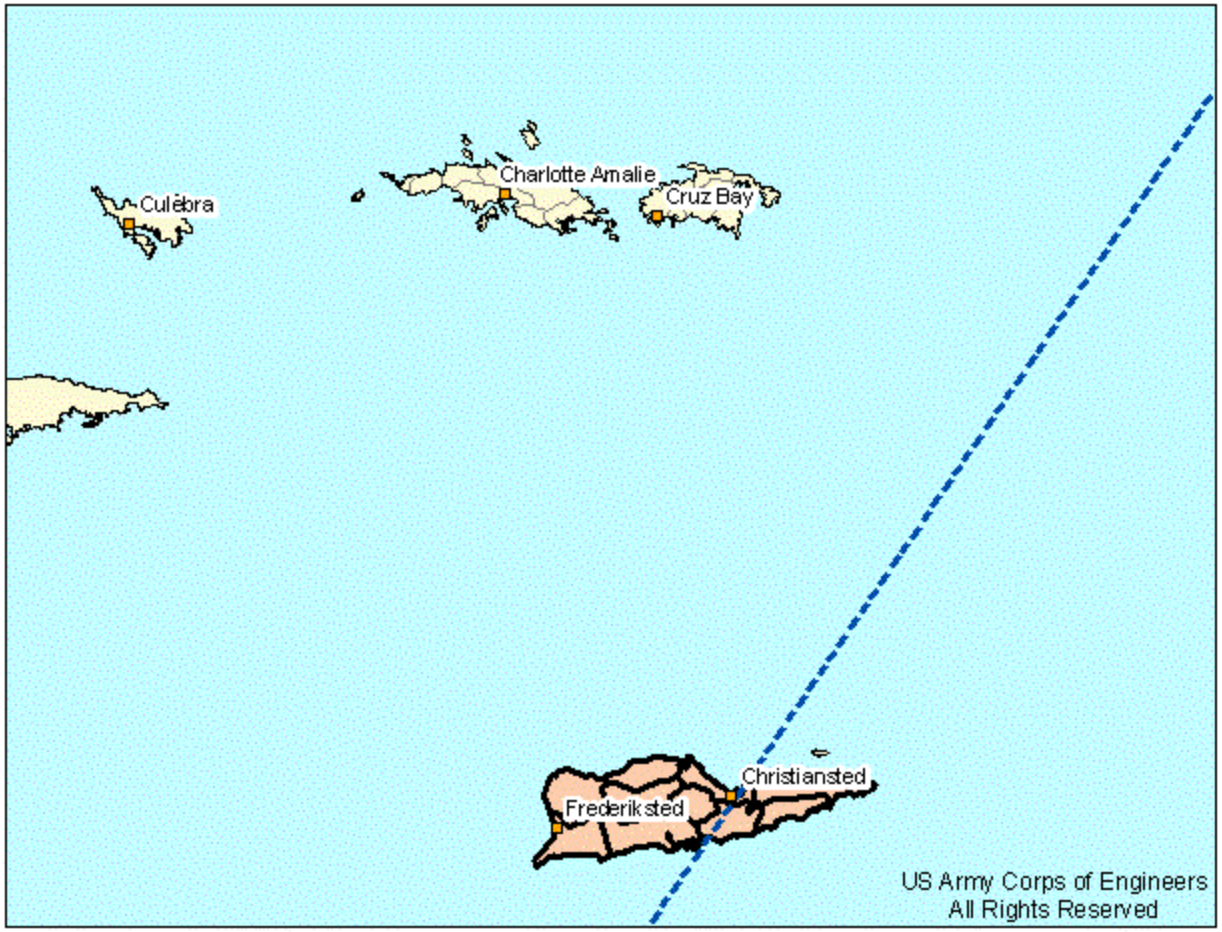
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Households Model

Landfall Expected In About **9** Hours

For Planning Purposes Only!



Post Landfall Results – Resident Households Within Hurricane Force Winds

St Croix - 22,000

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

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Hurricane Omar Households Model	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 12 of 24

US Army Corps of Engineers

Hurricane Omar Households Model

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Island	Households per Island	Geographic Unit	Households per Geographic Unit
ST CROIX		ANNA'S HOPE VILLAGE	2,000
		CENTRAL	2,000
		CHRISTIANSTED	5,000
		EAST END - NORTH	< 1,000
		EAST END - SOUTH	< 1,000
		NORTHCENTRAL	< 1,000
		NORTHWEST	2,000
		SION FARM	4,000
		SOUTHCENTRAL	3,000
		SOUTHWEST	4,000
ST CROIX	22,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Households Model

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

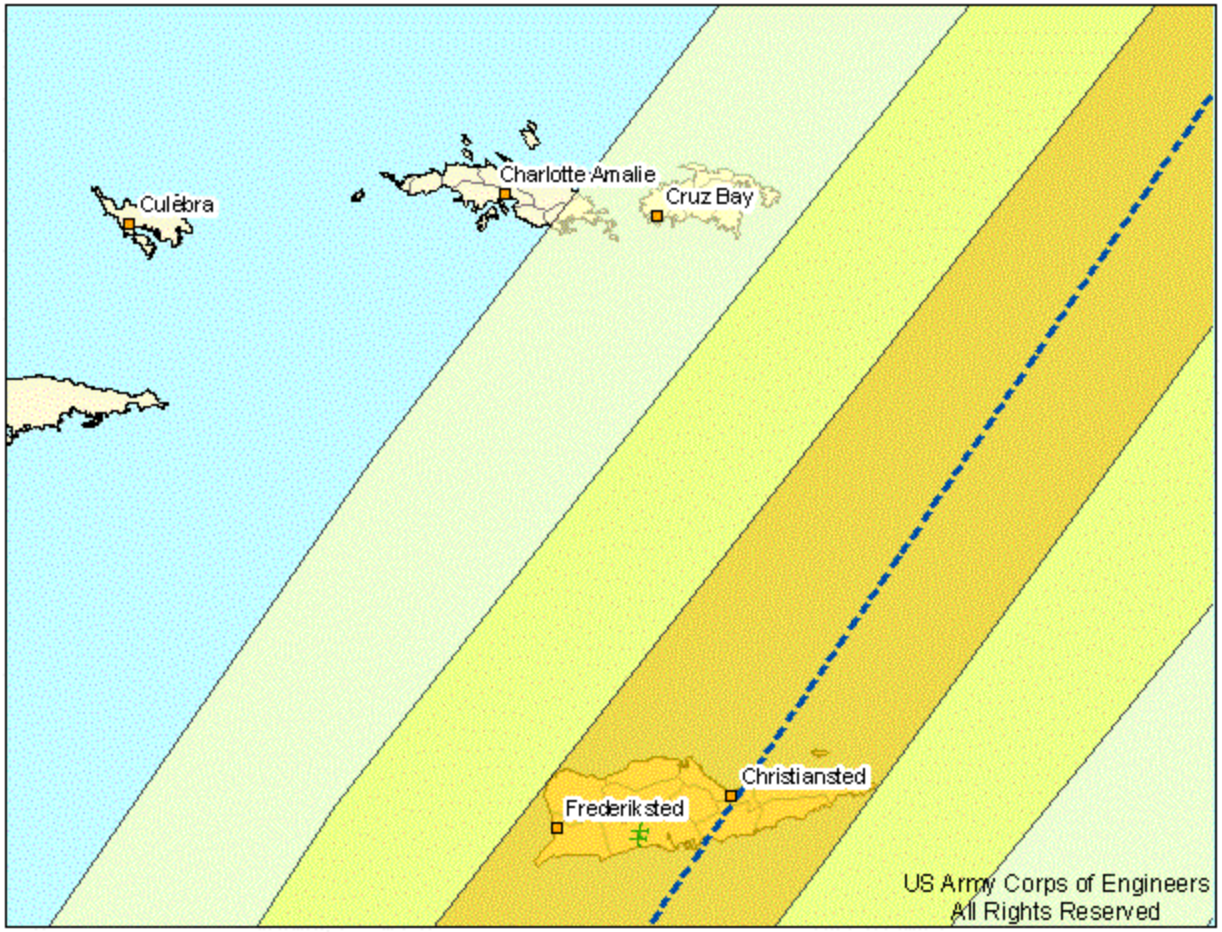
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Airports

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Most Probable Landfall Airports Inside Hurricane Force Winds

Virgin Island - 2

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Airports

Forecast Track

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

The number of airports included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Airports	
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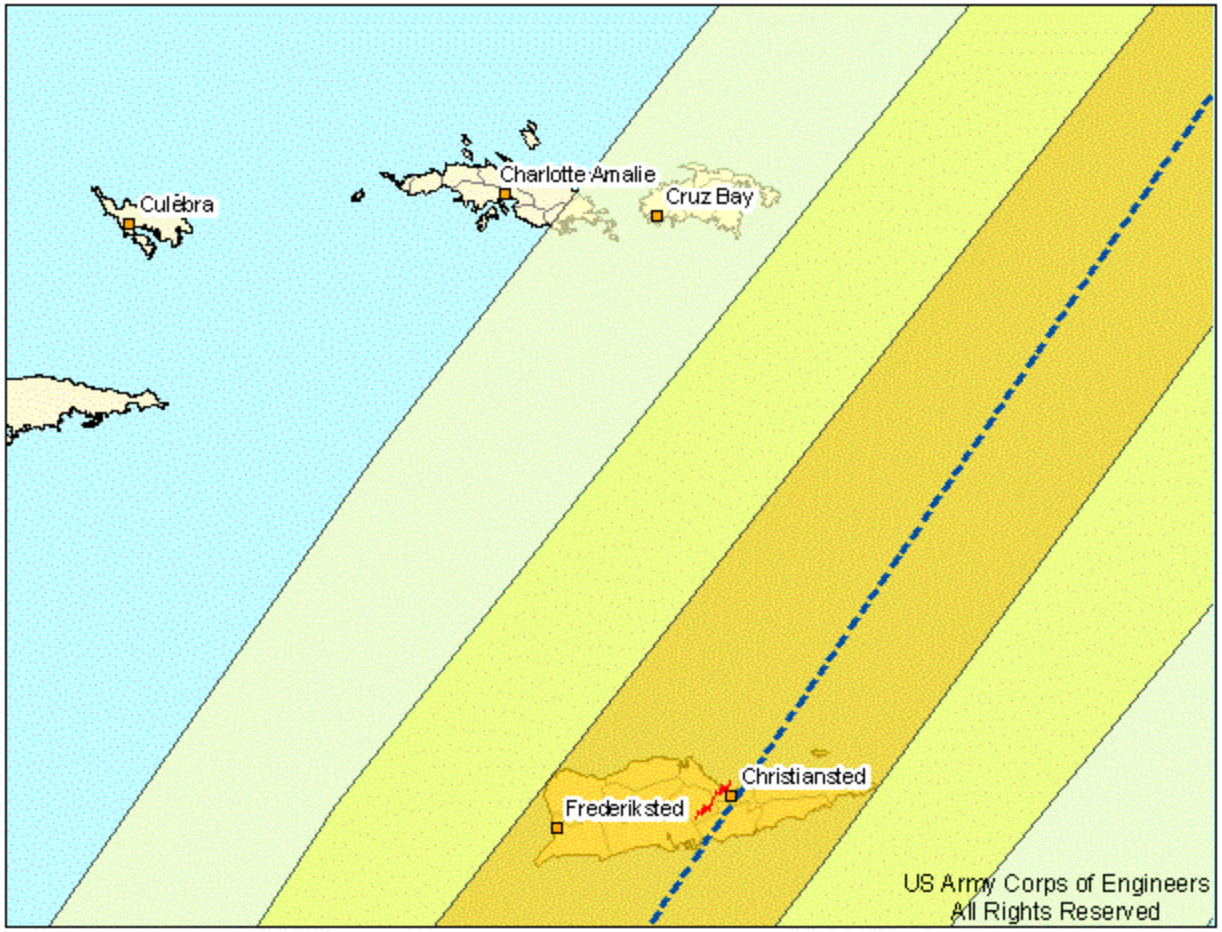
Sources: HURREVAC LRL-DEBRIS	Page 14 of 24

US Army Corps of Engineers

Hurricane Omar Electric Power Plants

Landfall Expected In About **9** Hours

For Planning Purposes Only!



Most Probable Landfall Electric Power Plants Inside Hurricane Force Winds

Virgin Island - 2

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

Electric Power Plants

Forecast Track

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

The number of electric power plants included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

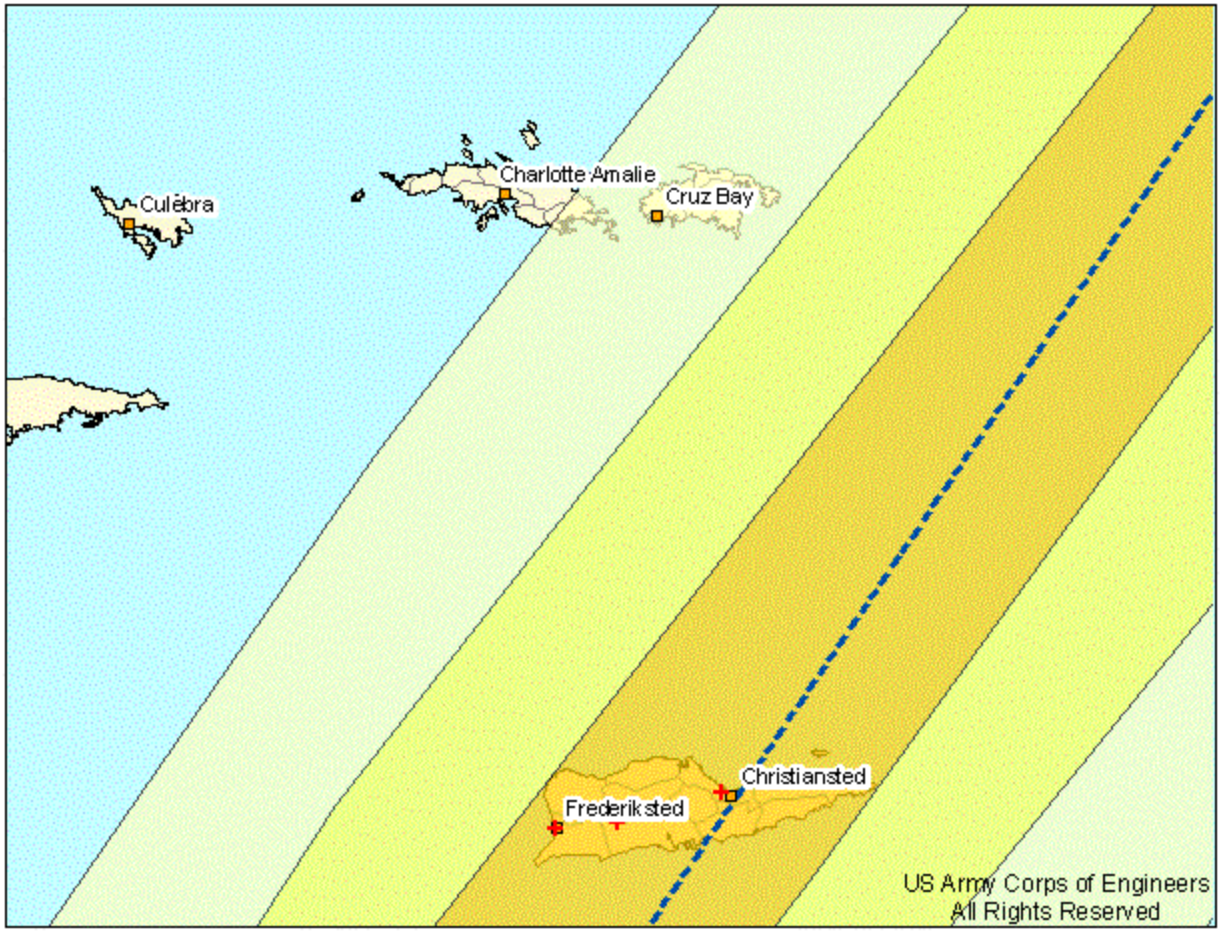
Hurricane Omar Electric Power Plants	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 15 of 24

US Army Corps of Engineers

Hurricane Omar Fire Stations

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Most Probable Landfall Fire Stations Inside Hurricane Force Winds

Virgin Island - 4

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

+ Fire Stations

Forecast Track

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Fire Stations	
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Sources: HURREVAC LRL-DEBRIS	Page 16 of 24

US Army Corps of Engineers

Hurricane Omar
Fire Stations Within CAT 2
Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island
ST CROIX			
EMILE HENDERSON DR FIRE STATIONS	#53 & 54B QUEEN STREET- FREDERIKSTED	ST. CROIX	VI
GROVE PLACE FIRE STATION	QUEEN MARY HWY	ST. CROIX	VI
HERBERT L. CANEGATA FIRE STATION	PENITENTIARY LN	ST. CROIX	VI
RENCELIAR I GIBBS FIRE STATION	COTTON VALLEY TRL	ST. CROIX	VI

The number of fire stations included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Fire Stations

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar
Fire Stations Within CAT 1
Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island

No Fire Stations Within CAT 1 For Hurricane Omar.

The number of fire stations included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Fire Stations

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

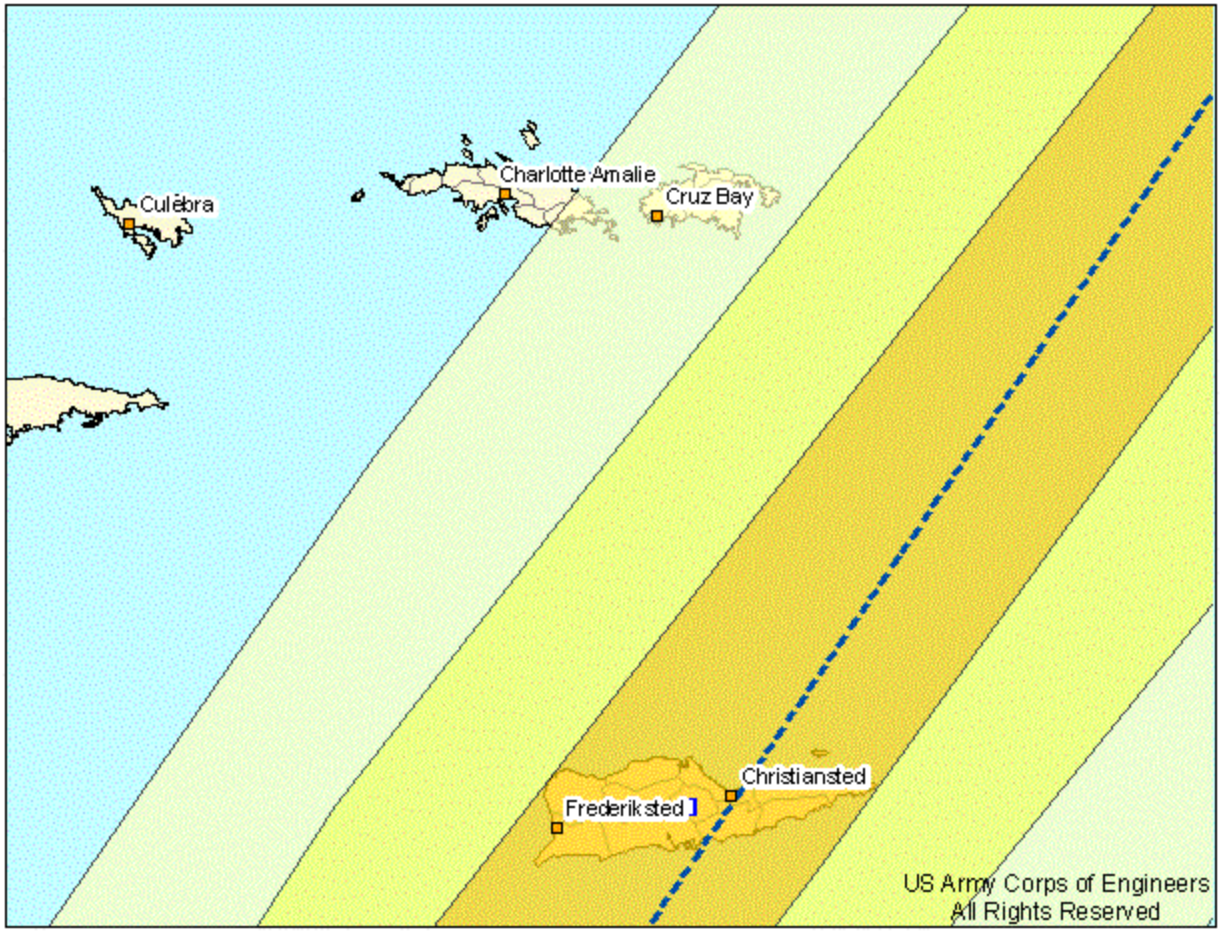
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Hospitals

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Most Probable Landfall Hospitals Inside Hurricane Force Winds

Virgin Island - 1

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

H Hospitals

Forecast Track

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Hospitals	
Generated By: Siemsen, LRL 1715 EDT 10/15/2008	
Sources: HURREVAC LRL-DEBRIS	Page 19 of 24

US Army Corps of Engineers

Hurricane Omar
Hospitals Within CAT 2
Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island
ST CROIX			
GOVERNOR JUAN F LOUIS HOSP	4007 ESTATE DIAMOND RUBY	CHRISTIANSTED	VI

The number of hospitals included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Hospitals

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar
Hospitals Within CAT 1

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island

No Hospitals Within CAT 1 For Hurricane Omar.

The number of hospitals included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar Hospitals

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

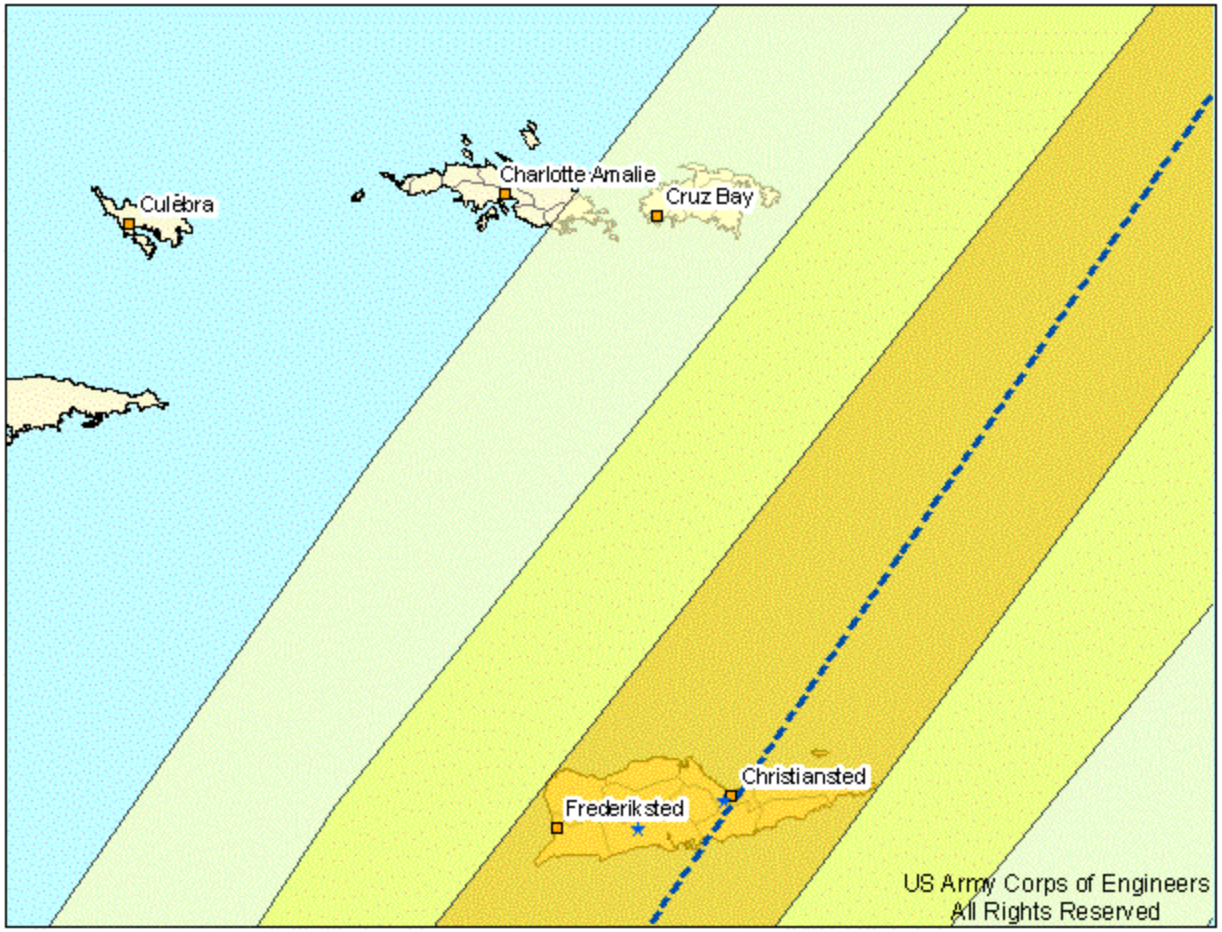
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar Law Enforcement

Landfall Expected In About 9 Hours

For Planning Purposes Only!



Most Probable Landfall Law Enforcement Inside Hurricane Force Winds

Virgin Island - 2

Model results per Geographic Unit on following page

This model is based on a Category 2 storm making landfall in the US Virgin Islands.

★ Law Enforcement

Forecast Track

Information provided on this page displays a Category 2 storm making landfall in the US Virgin Islands. These projections are based on information from the NHC (1700 EDT 10/15/2008) forecast.

The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program).

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Omar Law Enforcement

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar
Law Enforcement Within CAT 2
Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island
ST CROIX			
VIRGIN ISLANDS POLICE DEPT ST CROIX POLICE	GOLDEN GROVE	ST CROIX	VI
VIRGIN ISLANDS POLICE DEPT TRAFFIC UNIT	1920 BASSIN TRIANGLE	CHRISTIANSTED	VI

The number of law enforcement included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Omar
Law Enforcement

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Omar
Law Enforcement Within CAT 1

Landfall Expected In About 9 Hours

For Planning Purposes Only!

Name	Address	City	Island

No Law Enforcement Within CAT 1 For Hurricane Omar.

The number of law enforcement included in this output are those that would included within estimated hurricane force winds (data source: Homeland Security Infrastructure Program). They are broken out by interpolated wind damage areas for easier review of assets and facilities.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Omar
Law Enforcement

Generated By: Siemsen, LRL
1715 EDT 10/15/2008

Sources:
HURREVAC
LRL-DEBRIS